

Notice of Allowability

Application No.

10/769,355

Examiner

Melissa J. Koval

Applicant(s)

KOEGLER ET AL.

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Request for Continued Examination of December 19, 2005.
2. ☒ The allowed claim(s) is/are 7-14, 18, 21-24, 26-31, 34-38 and 40 (now renumbered 1-25).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

Claims 7 through 14, 18, 21 through 24, 26 through 31, 34 through 38 and 40 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record neither shows nor suggests all of the elements of claim 7, in combination, and particularly:

“an integrated unit including an integral reflector and heat sink, and a lamp receiving opening defined in said internal reflector and heat sink;

a lamp assembly replaceably coupled to said integrated unit and extending at least partially through said lamp receiving opening, wherein a base of said lamp assembly is attached to said integrated unit with tabs on said integrated unit”.

The prior art of record neither shows nor suggests all of the elements of claim 12, in combination, and particularly:

“a fan assembly coupled to said housing wherein a central axis is defined through said integrated unit, said lamp assembly, said housing and said fan assembly, said fan assembly being aligned to blow along said central axis and said reflector of said integrated unit being aligned to direct light along said central axis;

further comprising guide rods coupled to said housing and coupled to said integrated unit, wherein said lamp assembly and integrated unit slide on said guide rods laterally and substantially normal to said central axis to move said light generation assembly between said operating configuration and said lamp replacement configuration.

Each and every element of claims 13, 14, 18 and 27, in combination, render those claims allowable over the prior art of record.

The prior art of record neither shows nor suggests all of the elements of claim 21, in combination, and particularly:

“removing heat generated by said operating of said lamp assembly by flowing air over said integral reflector and heat sink with said fan assembly;

replacing said lamp assembly by moving said light generation assembly to a lamp replacement configuration to facilitate access to said lamp assembly, removing said lamp assembly from said integral reflector and heat sink, coupling a new lamp assembly to said integral reflector and heat sink, and moving said lamp generation assembly to an opening configuration;

wherein moving said light generation to a lamp replacement configuration comprises moving said fan assembly away from said integral reflector and heat sink and wherein said moving said light generation assembly to an operating configuration comprises moving said fan assembly toward said integral reflector and heat sink.”

The prior art of record neither shows nor suggests all of the elements of claim 26, in combination, and particularly:

“replaceably coupling a lamp assembly to said interval reflector and heat sink extending at least partially through said lamp receiving opening; and

defining a central axis through said reflector, said lamp assembly said housing and said fan assembly, said fan assembly being aligned to blow along said central axis and said reflector being aligned to direct light along said central axis;

wherein coupling said integral reflector and heat sink to said housing comprises forming guide holes in said housing and coupling guide rods to said integral reflector and heat sink and to said guide rods whereby said displacement of said guide rods with respect to said guide holes causes said internal reflector and heat sink to be moved laterally and substantially normal to said central axis from an operating configuration within said housing to a lamp replacement configuration at least partially outside of said housing."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Gawalkiewicz et al. U.S. Patent Application Publication US 2004/0081395 A1 teaches a light source unit for use with a light guide and lamp mounting arrangement.

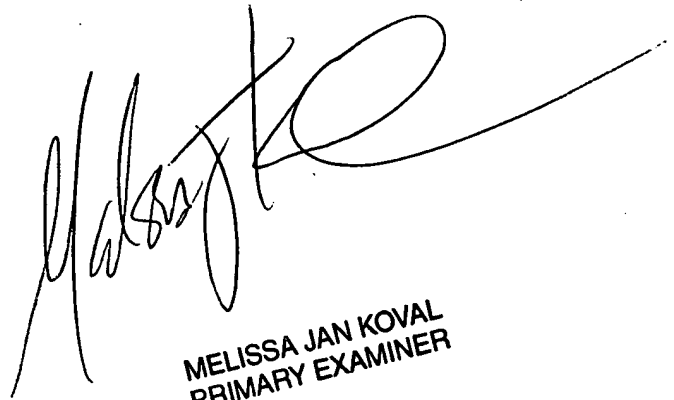
Kurosawa U.S. Patent 6,345,896 B1 teaches a projector capable of easily replacing and efficiently cooling light source.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Melissa Jan Koval
Primary Examiner
Art Unit 2851
MJK



MELISSA JAN KOVAL
PRIMARY EXAMINER